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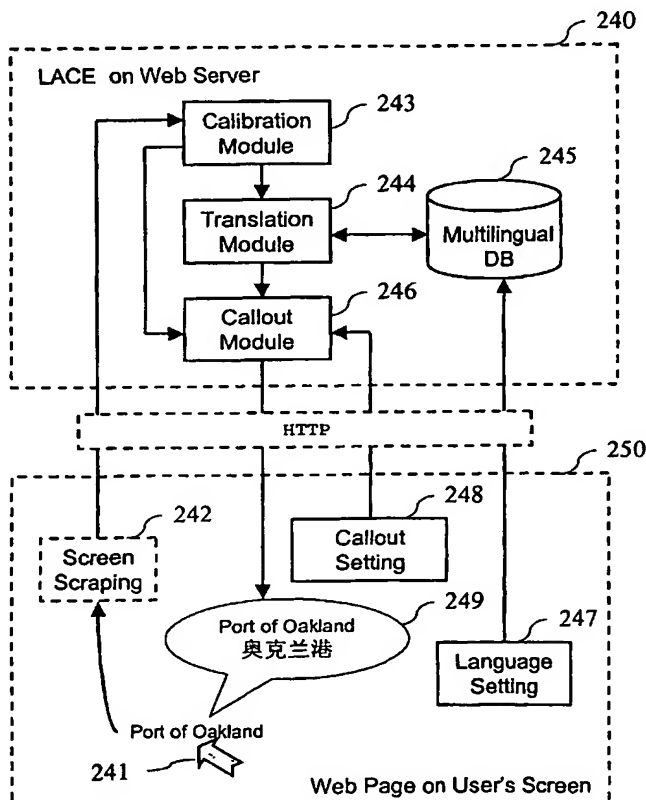
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POINTER INITIATED INSTANT BILINGUAL ANNOTATION ON TEXTUAL INFORMATION IN AN ELECTRONIC DOCUMENT



(57) Abstract: This invention provides a system and method for providing a user an artificial intelligence based bilingual annotation, displayed in a callout associated with the user's mouse pointer, on a piece of textual information contained in a segment of text adjacent to, or overlaid by, the user's mouse pointer while the user is reading an electronic document on the computer screen.

INTERNATIONAL SEARCH REPORT

PCT/US 03/30627

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F9/44 G06F17/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"Babylon Lite - Review" 'Online! 4 August 2000 (2000-08-04), XP002314530 Retrieved from the Internet: URL: http://www.dooyoo.co.uk/applications/babylon-lite/68776/ 'retrieved on 2005-01-21! the whole document	1-58
X	REVIEW OF FREeware BABYLON DICTIONARY SOFTWARE, 'Online! 6 May 2000 (2000-05-06), XP002314531 Retrieved from the Internet: URL: http://spanish.about.com/library/week1y/aa060500a.htm 'retrieved on 2005-01-21! the whole document	1-58

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/01400 A (QNATURALLY SYSTEMS INC EM ; CHAN NING PING (US); LIU ZHUO (US); XIONG) 3 January 2002 (2002-01-03) the whole document	1-58
A	EP 0 838 765 A (ITI INC) 29 April 1998 (1998-04-29) the whole document	1-58
A	EP 0 725 353 A (OKI ELECTRIC IND CO LTD) 7 August 1996 (1996-08-07) the whole document	1-58

INTERNATIONAL SEARCH REPORT

PCT/US 03/30627

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0201400	A	03-01-2002	US 6604101 B1 05-08-2003
		AU 7132801 A 08-01-2002	
		WO 0201400 A1 03-01-2002	
		US 2004006560 A1 08-01-2004	
EP 0838765	A	29-04-1998	US 5956740 A 21-09-1999
		DE 69725258 D1 06-11-2003	
		DE 69725258 T2 05-08-2004	
		EP 0838765 A1 29-04-1998	
		JP 10232883 A 02-09-1998	
		US 6212537 B1 03-04-2001	
		US 2001016860 A1 23-08-2001	
EP 0725353	A	07-08-1996	JP 3004187 B2 31-01-2000
		JP 8202734 A 09-08-1996	
		JP 2780735 B2 30-07-1998	
		JP 8202721 A 09-08-1996	
		JP 3004188 B2 31-01-2000	
		JP 8202722 A 09-08-1996	
		CA 2168395 A1 01-08-1996	
		DE 69616391 D1 06-12-2001	
		DE 69616391 T2 04-07-2002	
		EP 0725353 A1 07-08-1996	
		US 5987402 A 16-11-1999	